

FIG. 1A

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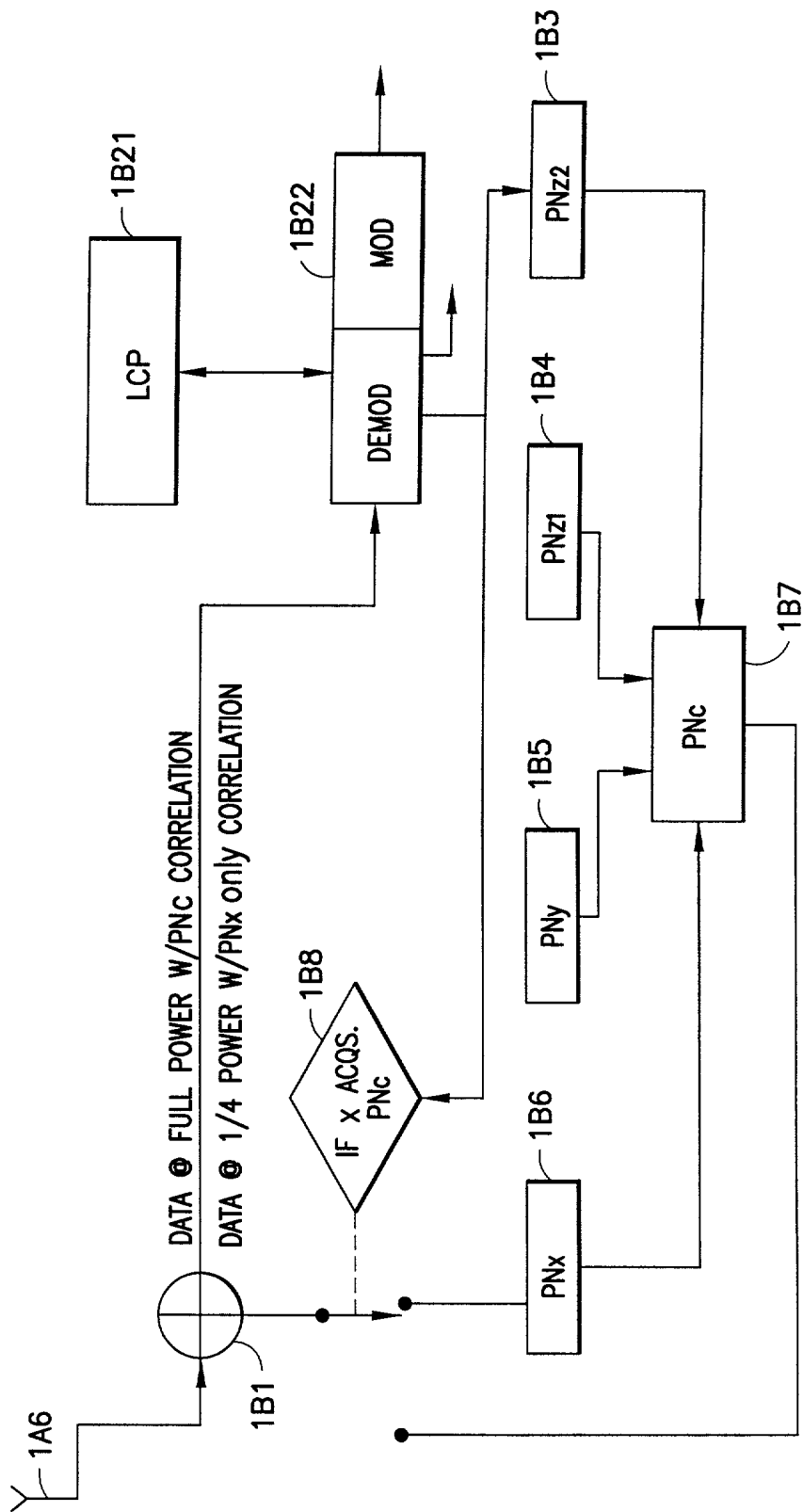
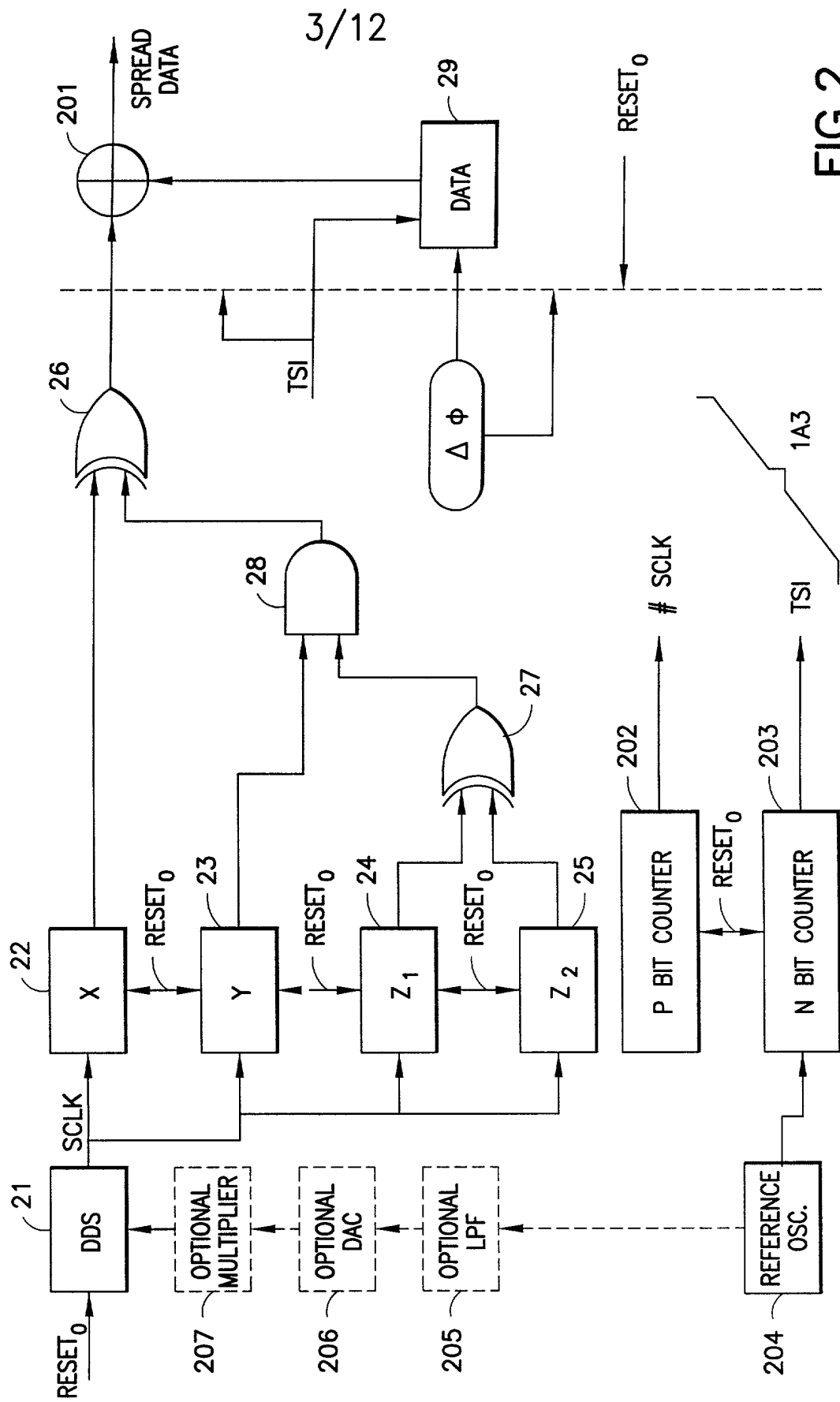


FIG. 1B



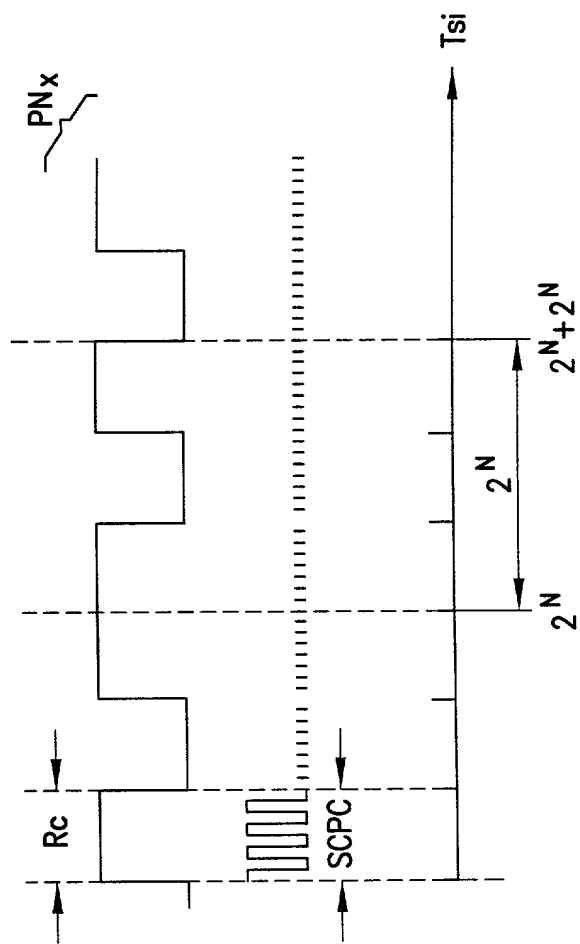
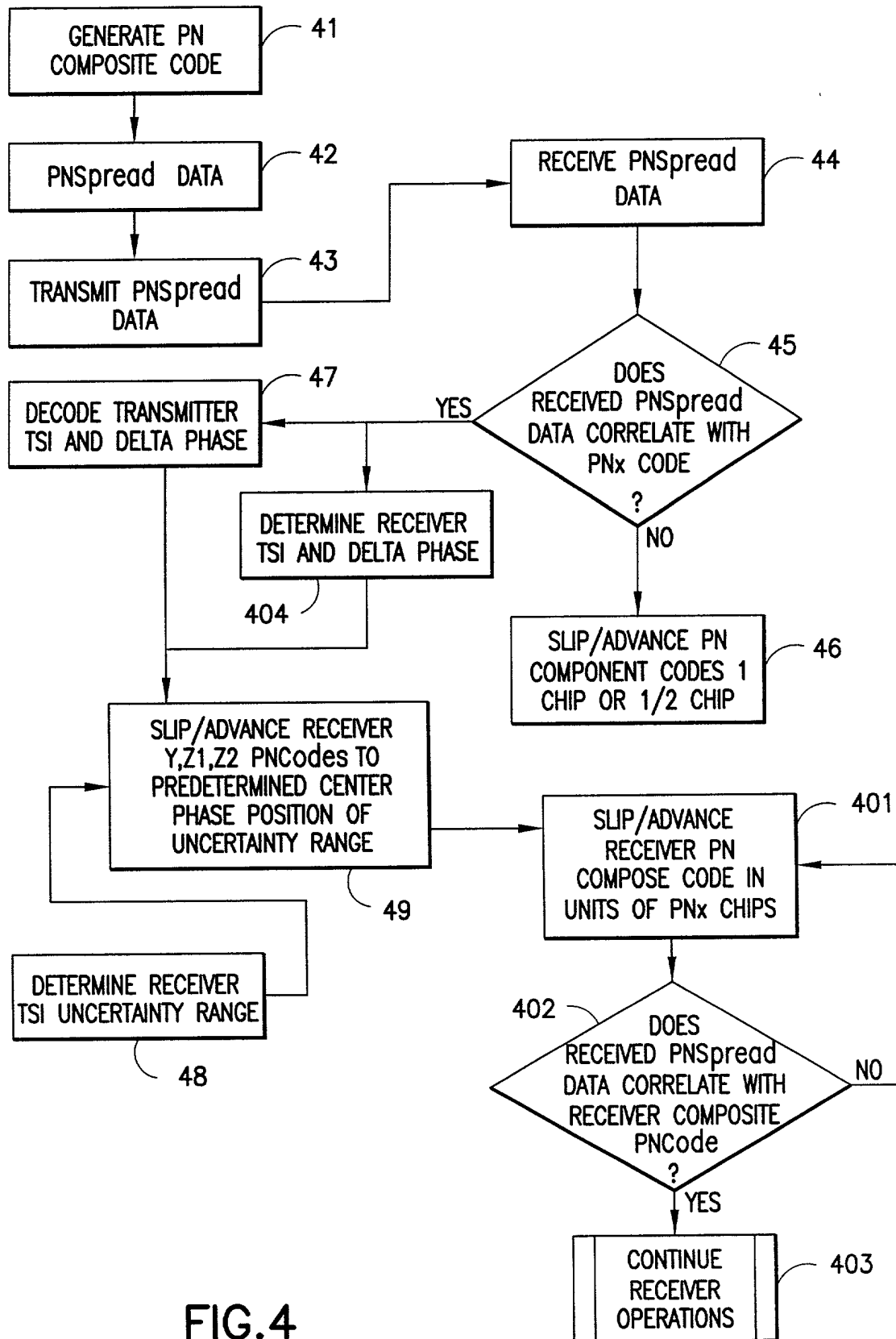


FIG. 3A

FIG. 3B

FIG. 3C



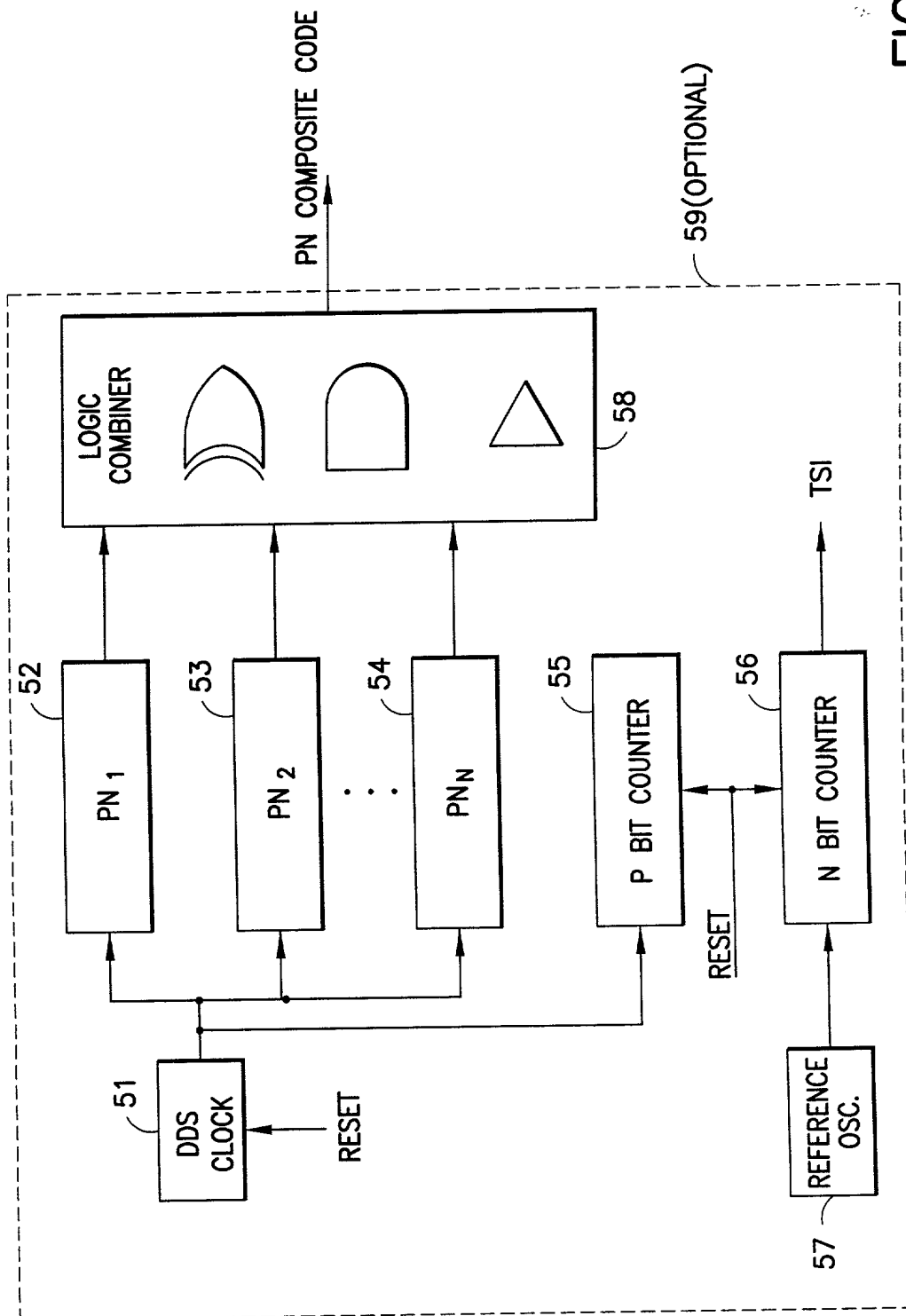


FIG. 5

TSI LATENCY/UNCERTAINTY BUDGETS AND RELATED PN CODE ADJUSTMENTS																
PROCESS	WF A		WF B		WF C		WF D		WF E		WF F		WF G		WF H	
1) STATUS (MIN, MAX) MSEC	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2) BUS CYCLE TIME (MIN, MAX) MSEC	0	130	0	130	0	130	0	130	0	130	0	130	0	130	0	130
3) STATUS DATA TABLE (MIN, MAX) MSEC	0	57	0	57	0	57	0	57	0	57	0	57	0	57	0	57
4) SAMP_RATE, SCPC a=893,353,198 b=1,108,674,225 c=1,165,482,325 d=1,342,320,446	d,1		a,1		c,4		b,2		b,4		d,4		d,2		a,2	
5) LOCAL STATUS (MSEC), BUS CYCLE TIME LOCAL (MIN, MAX=0)	9	70	9	70	9	70	9	70	9	70	9	70	9	70	9	70
6) GENERAL SOLUTION: SEARCH UNCERTAINTY, PN CODE ADVANCE MSEC	225	225	225	225	191	297	225	225	225	225	225	225	225	225	225	225

FIG.6A

FIG.6B

FIG.6

FIG.6A

	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s
A) SIO (MAX) MINIMUM=0	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s	1248 b /25.03 Kb/s
B) INTERLEAVE & DEINTERLEAVE COMBINED TIMES m=0.2	2 ¹⁴ / 293Kb/s	2 ¹⁴ / 390Kb/s	512 / 15.9Kb/s	2 ¹⁴ / 242Kb/s	2 ¹⁴ / 293Kb/s	2 ¹⁴ / 293Kb/s	2 ¹⁴ / 390Kb/s
B) INTERLEAVE & DEINTERLEAVE COMBINED TIMES m=1	2 ¹⁶⁻¹ / 293Kb/s	2 ¹⁶⁻¹ / 390Kb/s		2 ¹⁶⁻¹ / 242Kb/s	2 ¹⁶⁻¹ / 293Kb/s	2 ¹⁶⁻¹ / 293Kb/s	2 ¹⁶⁻¹ / 390Kb/s
B) INTERLEAVE & DEINTERLEAVE COMBINED TIMES m=3	2 ¹⁶⁻³ / 293Kb/s	2 ¹⁶⁻³ / 390Kb/s		2 ¹⁶⁻³ / 242Kb/s	2 ¹⁶⁻³ / 293Kb/s	2 ¹⁶⁻³ / 293Kb/s	2 ¹⁶⁻³ / 390Kb/s

FIG. 6B

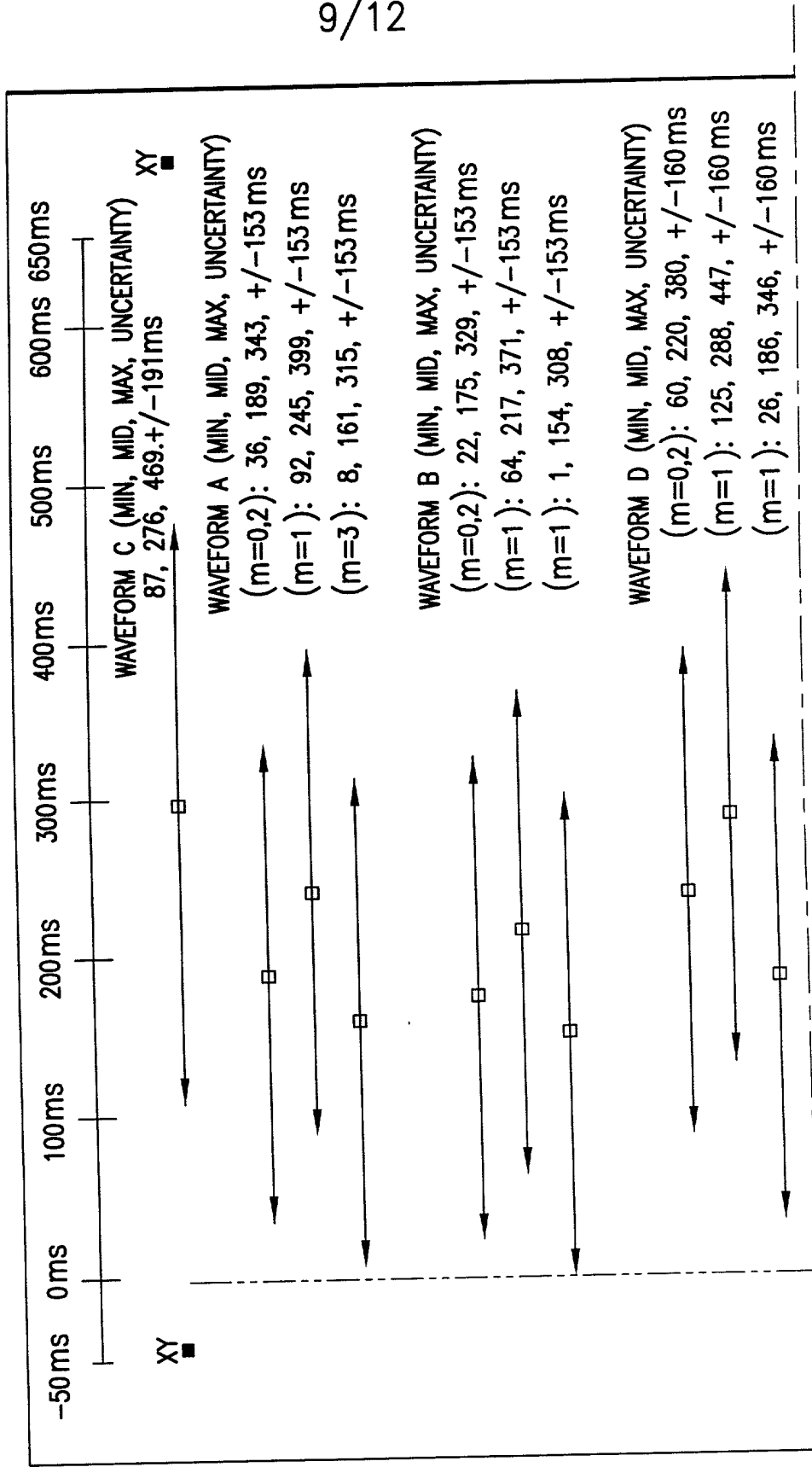


FIG.7A
FIG.7B

FIG.7

FIG.7A

WAVEFORM F (MIN, MID, MAX, UNCERTAINTY)
 (m=0,2): 36, 189, 343, +/-153 ms
 (m=1): 92, 245, 399, +/-153 ms
 (m=3): 8, 161, 315, +/-153 ms

WAVEFORM G (MIN, MID, MAX, UNCERTAINTY)
 (m=0,2): 36, 189, 343, +/-153 ms
 (m=1): 92, 245, 399, +/-153 ms
 (m=3): 8, 161, 315, +/-153 ms

WAVEFORM H (MIN, MID, MAX, UNCERTAINTY)
 (m=0,2): 22, 175, 329, +/-153 ms
 (m=1): 64, 217, 371, +/-153 ms
 (m=3): 1, 154, 308, +/-153 ms

450 ms

FIG.7B

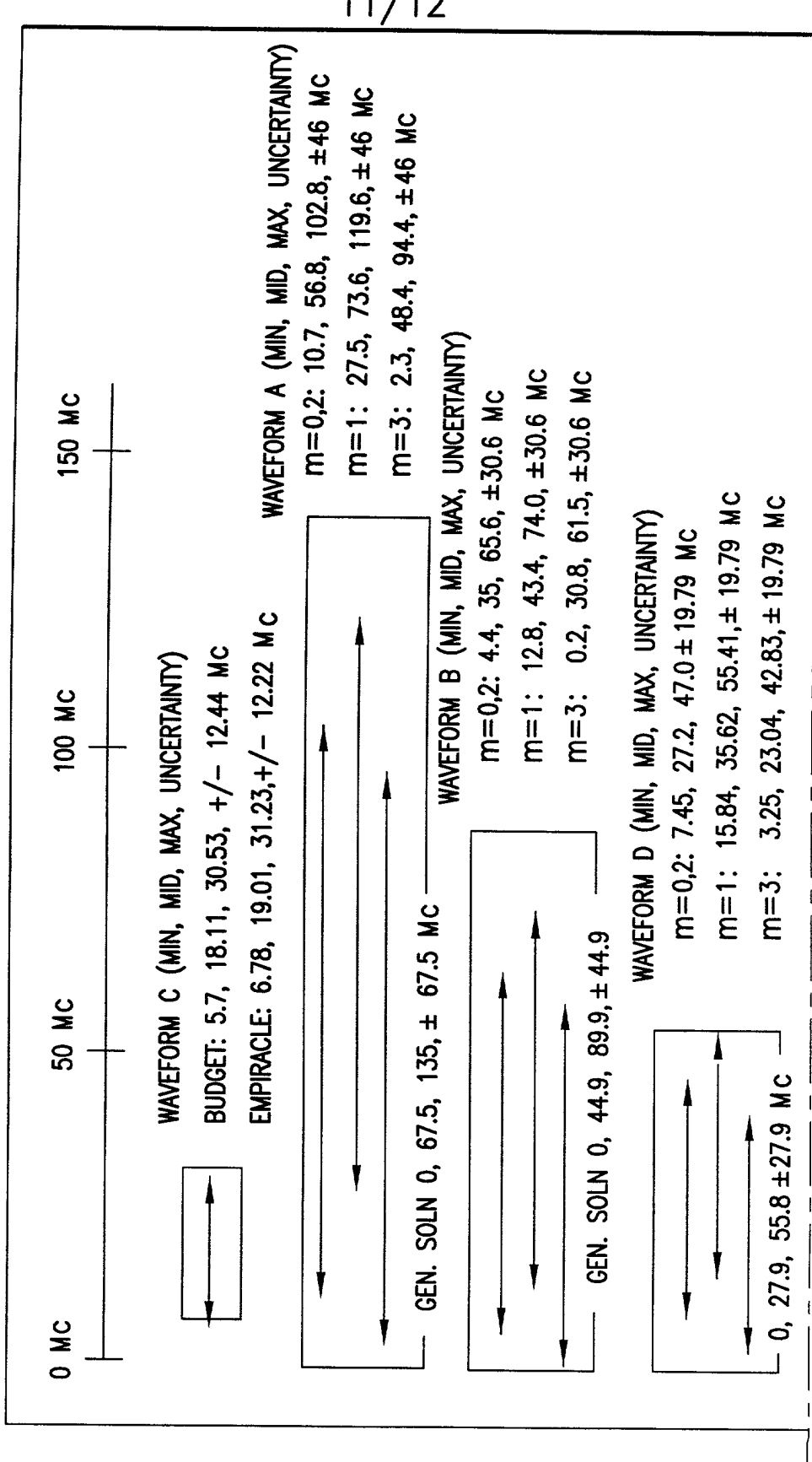


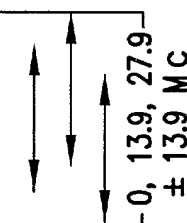
FIG.8A
FIG.8B

FIG.8A

FIG.8

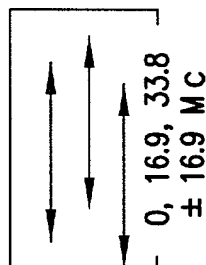
LINES SHOW BUDGET OF RESPECTIVE APPLICATION. BOXES SHOW THE UNCERTAINTY BEING SEARCHED WHEN THE "GENERAL" SOLUTION (225 ms) IS APPLIED. WAVEFORM C KEEPS ITS RESPECTIVE BUDGET.

WAVEFORM E (MIN, MID, MAX, UNCERTAINTY)



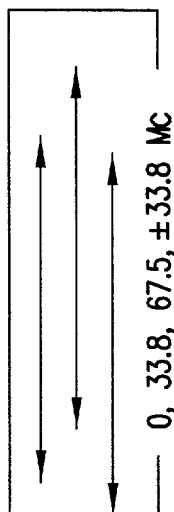
m=0,2: 3.7, 13.6, 23.5, ±9.9 MC
m=1: 7.9, 17.8, 27.7, ±9.9 MC
m=3: 1.6, 11.5, 21.4, ±9.9 MC

WAVEFORM F (MIN, MID, MAX, UNCERTAINTY)



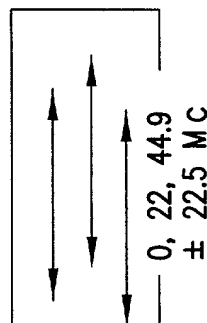
m=0,2: 2.7, 14.2, 25.7, ±11.5 MC
m=1: 6.9, 18.4, 29.9, ±11.5 MC
m=3: 0.6, 12.1, 23.6, ±11.5 MC

WAVEFORM G (MIN, MID, MAX, UNCERTAINTY)



m=0,2: 5.4, 28.4, 51.4, ±23.0 MC
m=1: 13.8, 36.8, 59.8, ±23.0 MC
m=3: 1.2, 24.2, 47.2, ±23.0 MC

WAVEFORM H (MIN, MID, MAX, UNCERTAINTY)



m=0,2: 2.2, 17.5, 32.8, ±15 MC
m=1: 6.4, 21.7, 37.0, ±15 MC
m=3: 0.1, 15.4, 30.7, ±15 MC

FIG.8B